312/109

EVERITT

#463,455.

463,455 COMPLETE SPECIFICATION EVERITT

SHEET

[This Drawing is a reproduction of the Original on a reduced scale.]

Fig. 1.

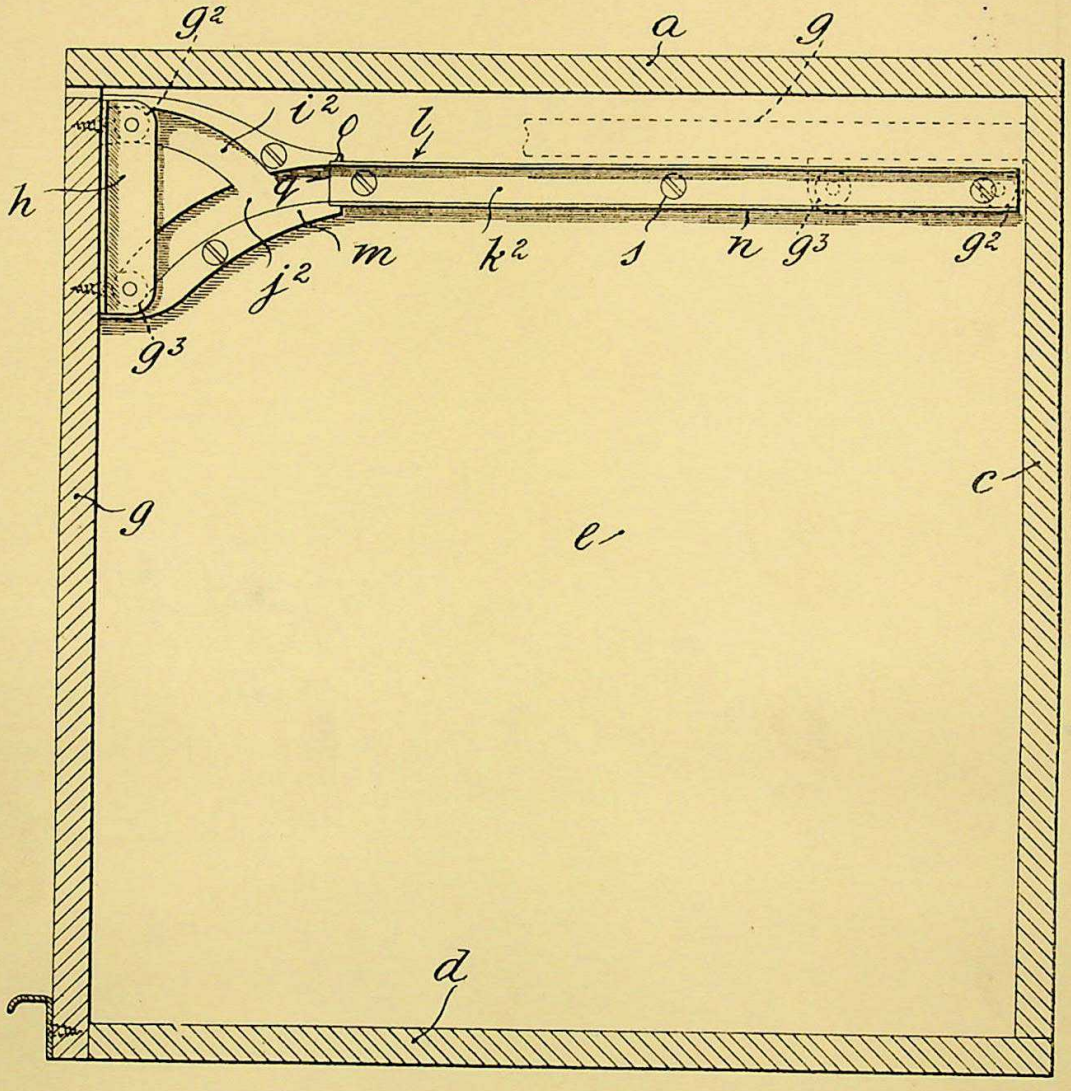

Fig. 2.

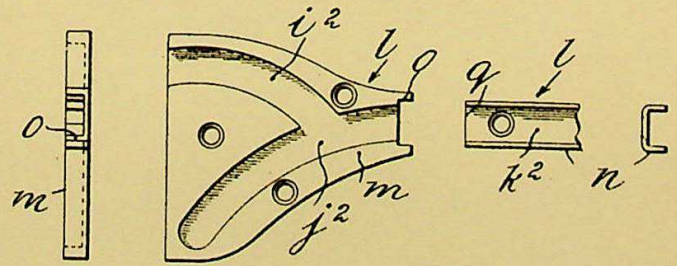

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Fig. 3.

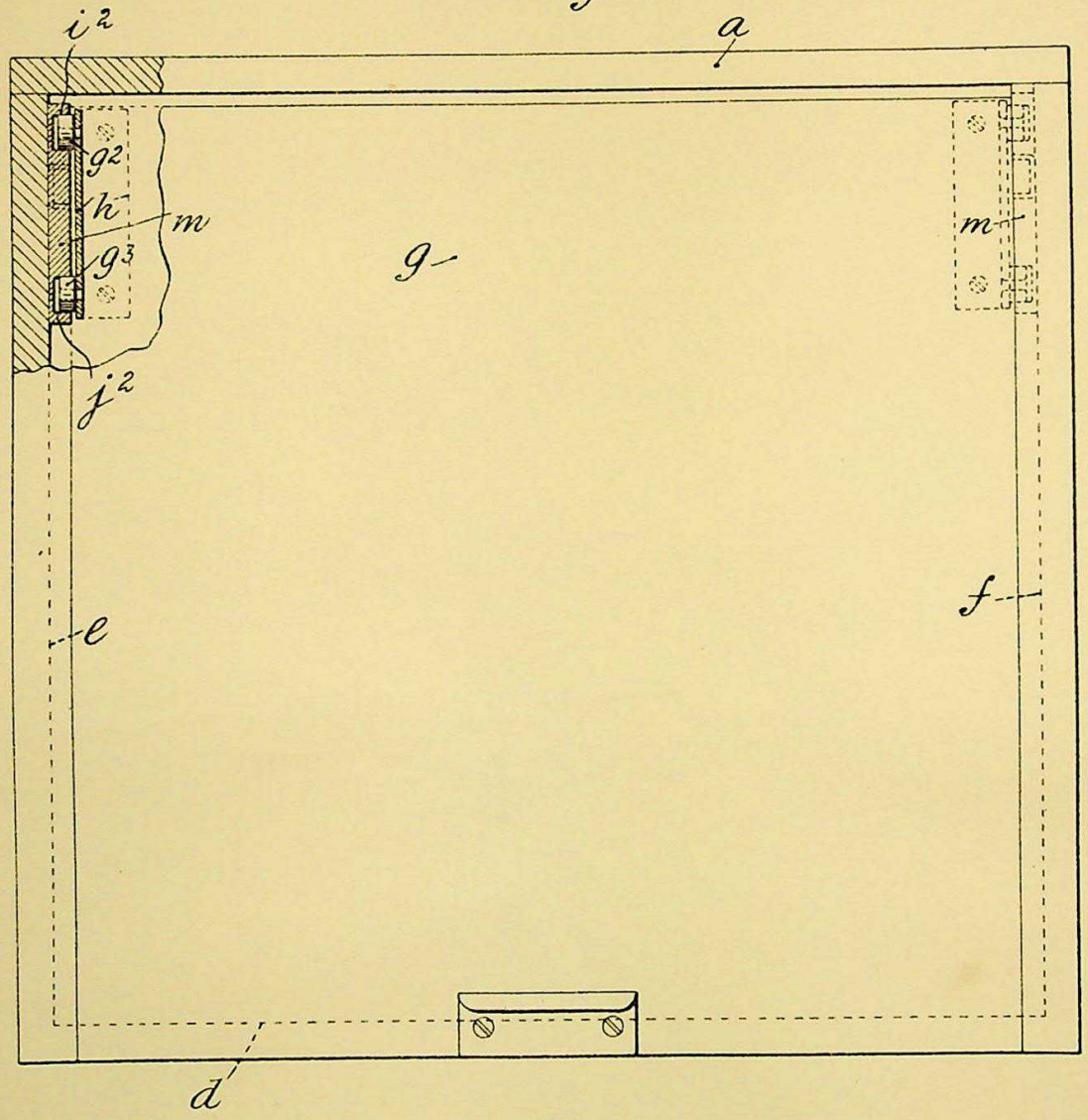
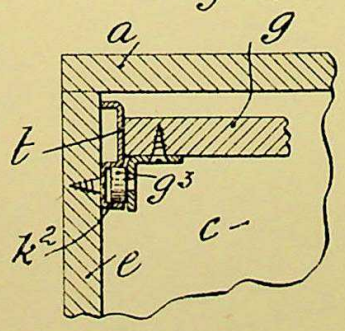


Fig. 4.



Malby & Sons, Photo-Litho

312/109

EXAMINER
Div.

PATENT SPECIFICATION

Application Date: Nov. 26, 1935. No. 32717/35.

Complete Specification Left: Nov. 20, 1936.

Complete Specification Accepted: March 31, 1937.

463,455

PROVISIONAL SPECIFICATION

Improvements in Mountings for Swingable and Slidable Doors of Showcases, Bookcases and the like

I, JAMES EVERITT, a British Subject, of 5, Green Terrace, Rosebery Avenue, London, E.C.1, do hereby declare the nature of this invention to be as follows:—

This invention relates to mountings for a swingable and slidable door or the like, and particularly to a door of a show case or book case, which door when opening swings and slides into the body structure so that said door is wholly or partly therein; in particular, said invention relates to mountings of the kind comprising each a single-piece channel track, adapted to be fixed interiorly one to each side of the body structure, to be engaged by spaced rollers or pins, carried by a side of the door, the door end of each track having two relatively curved by-tracks so arranged that on opening the door an initial pivotal movement thereof is obtained.

The object of the invention is to provide an improved construction of mountings of this kind.

According to the invention the continuous track is made in two parts, the one a forward block including the two by-tracks and the other a rearward single track rail adapted to be readily joined with the end of one of the curved by-tracks. Also according to the invention, the block and the track rail have inter-engaging means where they join for the purpose of enabling the track rail to be lined up with the block preparatory to the fixing of the former to the sides of the case. Such engaging means may consist of angular peg and hole devices on the respective parts.

Also according to the invention, each track rail is provided with a facing, or facings, against which the side of the door, or the side of the brackets carrying the rollers or pins, engage in a substantially anti-frictional manner, the purpose being to ensure a quiet and smooth travel of the door and to obviate twist causing jambing. For example, a single facing could be pressed up from a sheet metal strip so that said facing extends longitudinally above and parallel with the track rail. Alternatively, a facing is provided above and below the track rail, and is provided with upper and lower attachment margins, the whole being pressed up from thin strip. Alternatively, an integral track rail and facing could be provided by an extruded brass strip.

Dated this 25th day of November, 1935.

For the Applicant:
GEORGE T. FUERY,
Chartered Patent Agent,
Newhall Chambers, 8, Newhall Street,
Birmingham 3.

COMPLETE SPECIFICATION

Improvements in Mountings for Swingable and Slidable Doors of Showcases, Bookcases and the like

I, JAMES EVERITT, a British Subject, of 5, Green Terrace, Rosebery Avenue, London, E.C.1, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

The invention relates to mountings, for doors of showcases, bookcases and the like, of the kind wherein the door has upon each of two opposite sides two distanced-apart rollers to engage opposite channelled tracks fixed to the inner sides of the case structure, said door being swingable and slidable upon the supporting tracks to two positions the one closing the structure and the other opening same and placing the door out of the way within the upper part of said structure, and the tracks being each a one-piece continuous member embodying a rear straight portion directly connecting with two forward curved portions.

The object of the invention is to provide an improved construction of channelled track constituting a mounting

of this kind.

According to the invention a channelled track, aforesaid, is formed of two separate parts, instead of as a one-piece continuous member, the one part a forward block embodying the two curved portions or by-tracks, and the other part a rear straight portion connecting up with said block so that the three portions communicate, said block and rear straight portion inter-engaging at their joint for accurately connecting the block and straight portion to each other.

Such a construction of channelled track is cheap to produce and easy to fix, the inter-engagement of the two parts being of such a nature that if the one part is accurately fixed to the side supports the other part can be automatically accurately positioned.

Alternatively, the two parts may be inter-engaged previously to fixing, with still the advantage of the cheaper production of a channelled track of the kind.

Also according to the invention the channelled track may be provided with a facing against which the adjacent side of the door, or the side of a bracket fixed to the door and carrying the rollers, abuts in a substantially anti-frictional manner for transverse support and with the object of ensuring a quiet and smooth travel of the door, and to prevent any jambing action. This facing may be a single one pressed up from the same metal strip as that from which the rear straight portion of the track is shaped. Alternatively, a facing may be provided above and below the channel of the track.

The invention is represented by the accompanying drawings:—

Fig. 1 is a transverse section through the case structure with the door closed.

Fig. 2 shows detail views of the parts of the channelled track.

Fig. 3 is a front sectional elevation of Fig. 1.

Fig. 4 is a section of a detail showing the facing part of the invention.

The case structure has a permanently closed top *a*, back *c*, bottom *d*, and ends *e* and *f*, being one suitable for show purposes, the door *g* opening and closing the front thereof by swinging upwardly and downwardly and sliding inwardly and outwardly upon the two distanced apart rollers g^2, g^3, carried by a bracket *h* attached to the back surface of the door, said rollers travelling the guiding grooves i^2, j^2, k^2, of a channelled track *l* which is rigidly secured to the side of the case structure and which, according to the invention, is formed of two separate parts *m* and *n*, the one part *m* being a forward block embodying the two curved portions or by-tracks i^2, j^2, and the other part a straight rear portion *n* connecting up with said block so that the three guiding grooves i^2, j^2, k^2 communicate.

The two parts *m* and *n* inter-engage where they join up, the block *m* being provided with a definite recess *o* into which the adjacent end *q* of the straight portion *n* accurately and tightly fits, so that when these two parts *m* and *n* are inter-connected as shown they are accurately disposed and held the one to the other.

Said two parts *m* and *n* are rigidly secured to the side of the structure in inter-engaging relative positions by wood screws *s* or similar means, so that the two rollers g^2, g^3, can efficiently travel the grooves i^2, j^2, k^2, in a manner well known in this kind of mounting for show-cases, book-cases, and the like, it being understood that there is a mounting upon each of two opposite sides of the structure and a pair of rollers at each of the two particular sides of the door.

In the modification, Fig. 4, which shows the door *g* stowed away within the structure, the channel track *n* is provided with a facing *t* against which the adjacent side of the door abuts in an anti-frictional but closely contacting manner for transverse support and with the object of a quiet and smooth travel of the door along said track *n* without any jambing action, this facing *t* being formed from the same blank of strip metal as the channel groove k^2.

Having now particularly described and ascertained the nature of my said invention, and in what manner the same is to be performed, I declare that what I claim is:—

1). A mounting for the door of a show-case, bookcase or the like of the kind described, wherein the channelled track is formed of two separate parts, the one part a forward block embodying two curved portions or by-tracks, and the other part a rear straight portion connecting up with said block so that the three channel grooves communicate.

2). A channelled track mounting in accordance with the preceding claim, and wherein the forward block and the rear straight portion inter-engage at their joint for accurate connection.

3). A channelled track mounting in accordance with either of the preceding claims, and wherein the rear straight portion is provided with a facing against which the adjacent side of the door abuts, for the purposes substantially as described.

4). A channelled track mounting in accordance with any one of the preceding claims, and wherein the two separate parts

m and *n* are constructed and arranged to co-operate with the rollers of the door in a manner substantially as described with reference to the drawings.

Dated this 19th day of November, 1936.
For the Applicant,
GEORGE T. FUERY,
Chartered Patent Agent,
Newhall Chambers, 8, Newhall Street,
Birmingham, 3.

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